



# STATE OF CONNECTICUT

## CONNECTICUT SITING COUNCIL

Ten Franklin Square, New Britain, CT 06051

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Daniel F. Caruso

Chairman

December 10, 2010

Daniel M. Laub, Esq.

Cuddy & Feder LLP

445 Hamilton Avenue, 14<sup>th</sup> Floor

White Plains, NY 10601

RE: **DOCKET NO. 388** - New Cingular Wireless PCS, LLC (AT&T) Certificate of Environmental Compatibility and Public Need for the construction, maintenance and operation of a telecommunications facility located at 1990 Litchfield Turnpike, Woodbridge, Connecticut.

Dear Attorney Laub:

At a public meeting of the Connecticut Siting Council held on December 2, 2010, the Connecticut Siting Council (Council) considered and approved the Development and Management (D&M) Plan dated October 27, 2010 with the following conditions:

- An erosion and sedimentation control inspector shall make weekly on-site inspections during construction and in the event of a major storm event;
- Approximately one year after completion of construction, the erosion and sedimentation control inspector shall perform an additional inspection to confirm permanent turf establishment and slope stability; and
- Such report shall be submitted to the Council not later than 30 days after completion of such inspection.

This approval applies only to the D&M Plan dated October 27, 2010 and additional information received on November 15 and 30, 2010. Any changes to the D&M Plan require advance Council notification and approval.

Please be advised that deviations from this plan are enforceable under the provisions of the Connecticut General Statutes § 16-50u. Enclosed is a copy of the staff report on this D&M Plan, dated December 2, 2010.

Thank you for your attention and cooperation.

Very truly yours,

Daniel F. Caruso

Chairman

DFC/MP/laf

Enclosure: Staff Report, dated December 2, 2010

c: Parties and Intervenor

The Honorable Edward Maum Sheehy, First Selectman, Town of Woodbridge

Terry Gilbertson, Zoning Enforcement Officer, Town of Woodbridge



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Docket No. 388

New Cingular Wireless PCS, LLC (AT&T)

1990 Litchfield Turnpike, Woodbridge

Development and Management Plan

Staff Report

December 2, 2010

On July 29, 2010, the Connecticut Siting Council (Council) issued a Certificate of Environmental Compatibility and Public Need to New Cingular Wireless PCS, LLC (AT&T or Applicant) for the construction, maintenance, and operation of a wireless telecommunications facility at 1990 Litchfield Turnpike, Woodbridge, Connecticut. The Council received a Development and Management Plan (D&M Plan) from AT&T for this facility on October 28, 2010.

Consistent with Order No. 1 of the Council's Decision and Order (D&O), the Applicant would construct a 170-foot monopole with flush-mounted antennas not to extend above 170 feet above ground level (agl). The monopole has been designed in accordance with the EIA/TIA 222-F structural standards. The monopole design does not include a yield point because the tower setback radius would remain within the subject property, and such design was not required in the D&O. In addition, the existing residence on the subject property is located beyond the tower setback radius.

AT&T would flush-mount three panel antennas at each of three positions on the tower: 167-foot level, 157-foot level, and 147-foot level. The total number of antennas would be nine. Three positions are needed to provide comparable coverage to that of a low-profile platform and accommodate cellular, PCS, and 700 Mhz (LTE) frequencies. The top of the antennas would not exceed 170 feet per the D&O. AT&T also seeks to install a 12-foot by 20-foot equipment shelter within the proposed 40-foot by 90-foot fenced equipment compound. AT&T would install a backup generator on a 4-foot by 11-foot concrete pad within the fenced compound. The compound area would be crushed stone.

The tower location is wooded with an average tree height of 70 to 80 feet. Approximately 9 trees six inches in diameter at breast height (dbh) would be removed to develop the site. Given the significant existing vegetation and large parcel size, no landscaping is proposed by AT&T.

Vehicular access to the proposed facility would extend north-northwest from Litchfield Turnpike (Route 69) along an approximately 85-foot long existing asphalt driveway to a new 12-foot wide gravel access drive that would extend approximately 895 feet to the proposed compound. Detailed drainage calculations were included in the D&M Plan.

Cutting and filling would occur on the east and west sides of the compound. Bedrock exists about 6 feet below grade. If encountered, mechanical means of removal (i.e. chipping) is preferred and blasting would be a last resort. The slopes of the compound are 1.5 to 1 slopes and would be stabilized with riprap. The side slopes to the west of the access road are 1.5 to 1 slopes and to east (near the road) they are 2 to 1 or steeper. They currently have established vegetation stabilizing the slope. AT&T has successfully used vegetated 2 to 1 slopes in the past. This is feasible if properly seeded and temporarily stabilized with blankets and staples. The 2 to 1 slope is the cut-off point for use of vegetation. Anything steeper generally receives rip rap lining. AT&T is willing to rip rap the 2 to 1 slopes if requested by the Council. The use of retaining walls would be an added expense and require stabilization and protection from water. This may be more an issue than slope stabilization. Accordingly, AT&T does not recommend the use of a retaining wall.



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Utilities would extend underground in a northwesterly direction from utility pole #968 on Litchfield Turnpike directly to the proposed compound. The utilities would not follow the path of the proposed access drive.

The cumulative worst-case radio frequency power density level at the base of the tower during operation of AT&T would be approximately 4.6% of the standard for Maximum Permissible Exposure as adopted by the Federal Communications Commission.

A copy of the D&M Plan was sent to the Town of Woodbridge at the time of submittal as required by Order No. 2 of the D&O. No comments have been received to date.

AT&T has complied with the Council's Decision and Order dated December 18, 2009.

If approved, staff suggests that an erosion and sedimentation control inspector be on-site during construction.